Fig. 1A

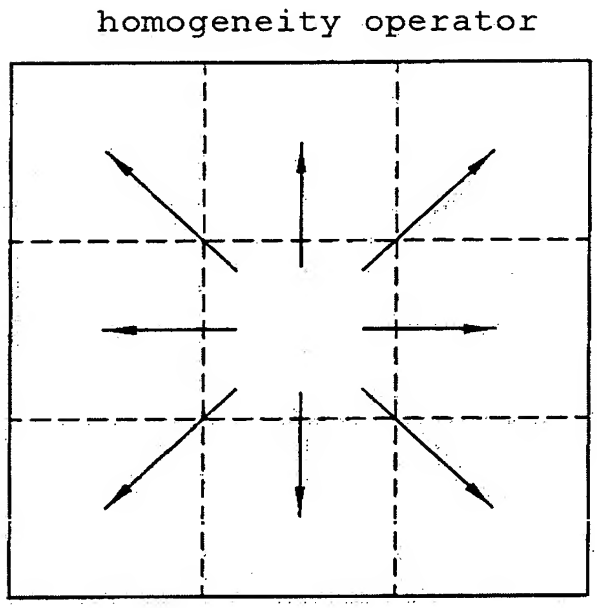


Fig. 1B

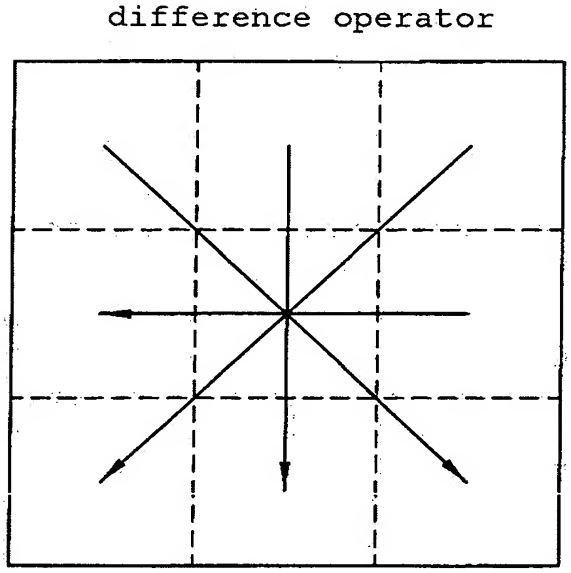


Fig. 2

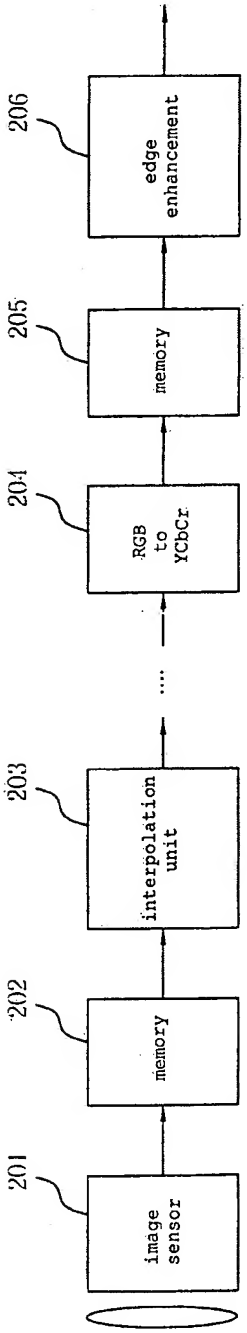

206
edge enhancement
205
memory
204
RGB to YCbCr
203
interpolation unit
202
memory
201
image sensor

Fig. 3A

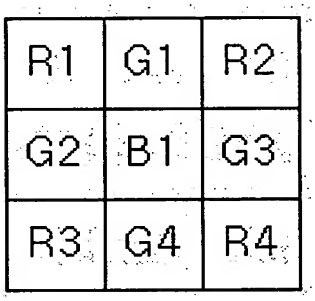


Fig. 3B

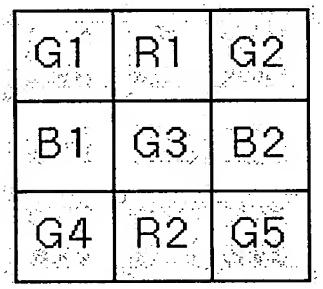


Fig. 3C

G1	B1	G2
R1	G3	R2
G4	B2	G5

Fig. 3D

B1	G1	B2
G2	R1	G3
B3	G4	B4

Fig. 4

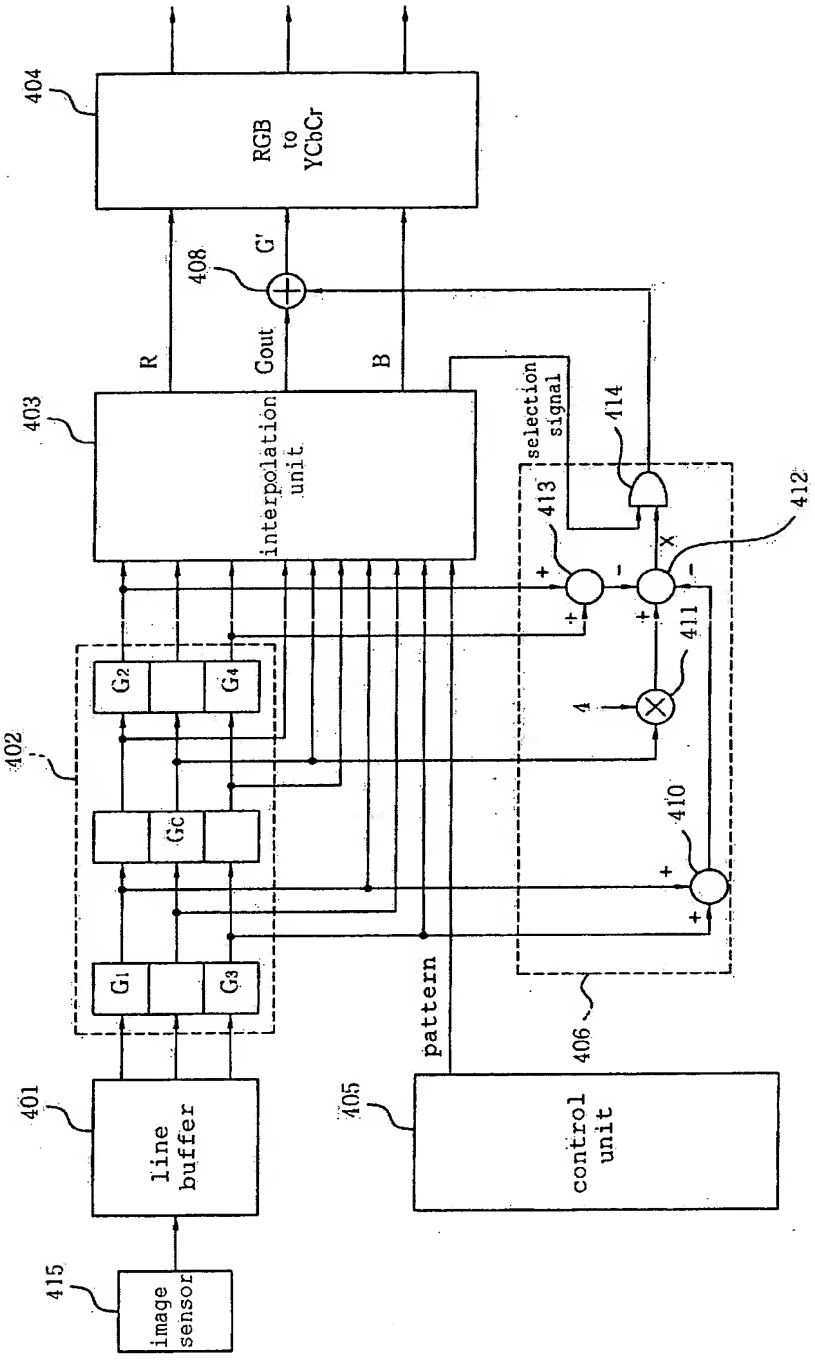
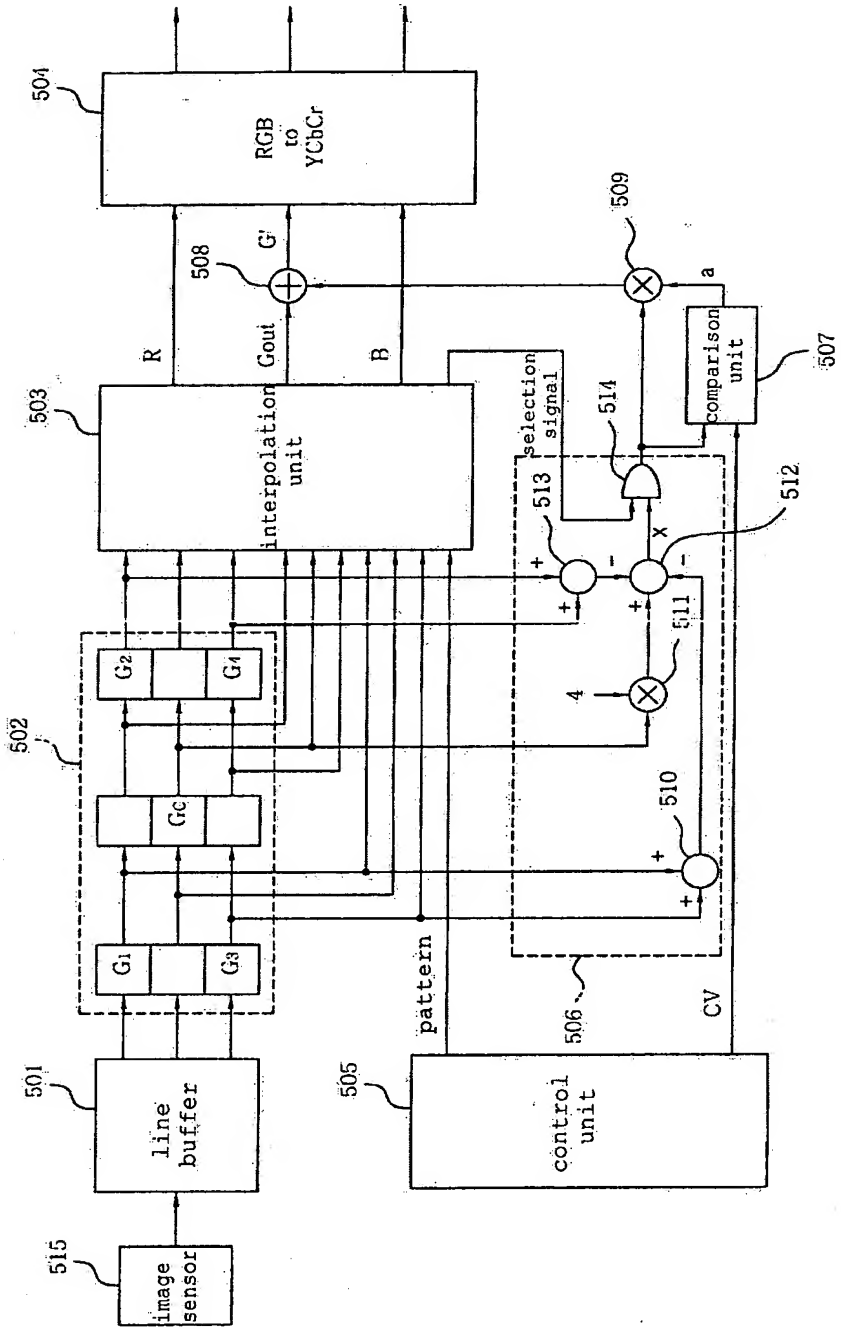

404
RGB to YCbCr
408
G'
Gout
R
B
403
interpolation unit
selection signal
414
413
412
411
410
4
402
G2
G4
Gc
G1
G3
pattern
406
401
line buffer
405
control unit
415
image sensor

Fig. 5


504
RGB to YCbCr
509
508
G'
a
R
Gout
B
comparison unit
507
503
interpolation unit
selection signal
514
513
512
x
511
4
502
G2
G4
Gc
510
G1
G3
pattern
506
CV
501
line buffer
505
control unit
515
image sensor